

Best 'Windmill' Dedicate
ee Story, Pages 9-11



*Carolina
Country*
August 1979

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ance company with an impeccable reputation. Next, they arranged a supplemental hospitalization plan that would do the best job possible for all RE consumer members and their families. And finally, NRECA set up their own service center for ELCO® Programs to help assure RE consumer members prompt, courteous service and prompt claims payment. This RE Group Hospitalization Supplement, underwritten by the highly respected Continental American Life Insurance Company, is the result.

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Some insurance ads try to give you the impression they are official RE plans, sponsored by your National Rural Electric Cooperative Association. Only those programs that bear the ELCO® or RE® trademarks are officially endorsed by your National Association. These trademarks are your guarantee of service and quality.

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Carolina Country Salutes:

• The unidentified woman who walked into the Four County Electric Membership Corporation office in Burgaw recently and presented \$28 in payment of a 15-year-old bill.

The bill had gone unpaid but not forgotten, she said. "There's not many weeks gone by that I didn't think about this bill. . . and now I've got the money to pay it," she said. (See story, Page 12.)

• Gov. Jim Hunt, for declaring that no new state government office buildings will be heated with

oil, and for taking a strong stand favoring use of North Carolina's most plentiful, renewable resource—wood—to heat such structures.

• Organizers of the North Carolina Chapter of the National Committee for the Prevention of Violence, which was recently chartered as part of an effort to reduce child abuse within the state. More than 20,000 cases of child abuse are reported yearly in North Carolina and many of these cases have involved deaths. Dr.

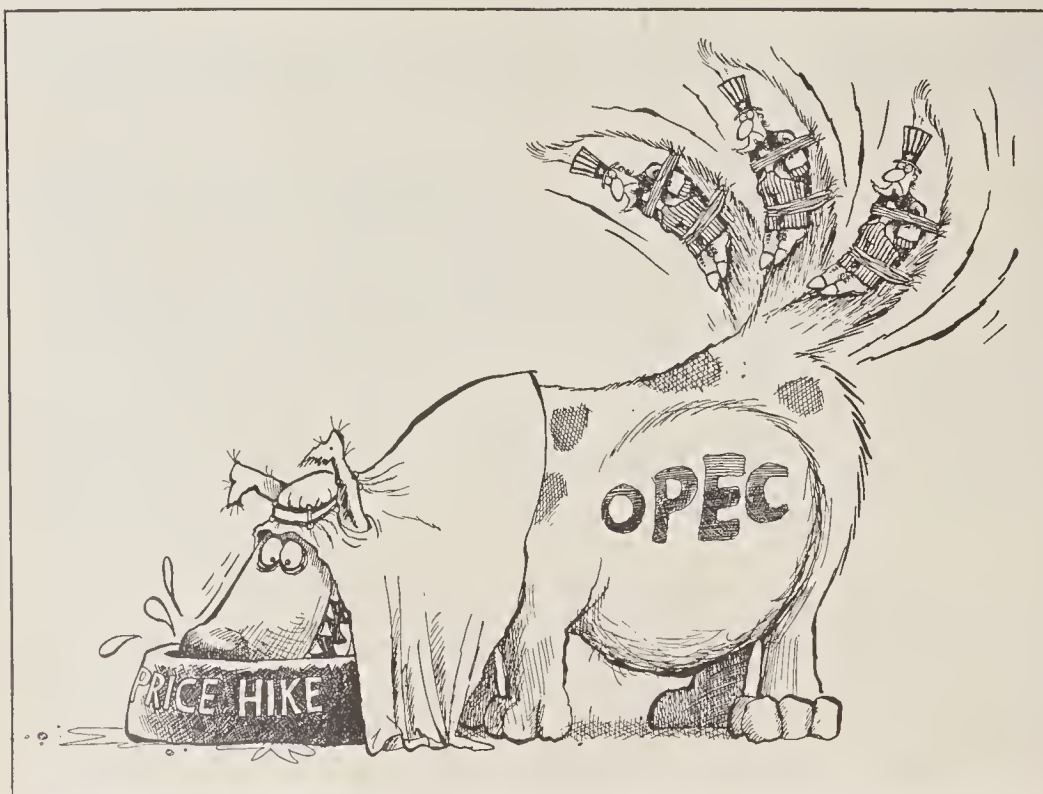
Ronald Keeney, a pediatrician with Burroughs Wellcome in the Research Triangle Park, is president of the chapter, which is hoping to raise \$20,000 to hire a full-time director.

• Ellen S. Newbold of Greensboro, for her election as chairman of the UNC Wilmington board of trustees, becoming the first woman to head a university trustee board since the 16-campus UNC system was created in 1972.

• The U.S. State Department, for its plans to send consular officials to Vietnam who can process visas for refugees wishing to join family members in this country. Officials believe as many as 5,000 people may be eligible for visas on this basis.

• The Greensboro Bulk Mail Center, for being chosen by the U.S. Postal Service as a model for energy-reduction efforts. Its conservation measures, which cut the center's monthly energy use from 8 billion BTUs to 4 billion BTUs, will be applied in the 20 counterpart centers throughout the country.

Energy consumption was reduced by removing about 4 percent of the fluorescent lighting tubes, improved building insulation and installation of a staff-developed heat conversion system that uses exhaust from compressors in the building to heat water for restrooms. □



—Duane Powell
News and Observer

Carolina Country

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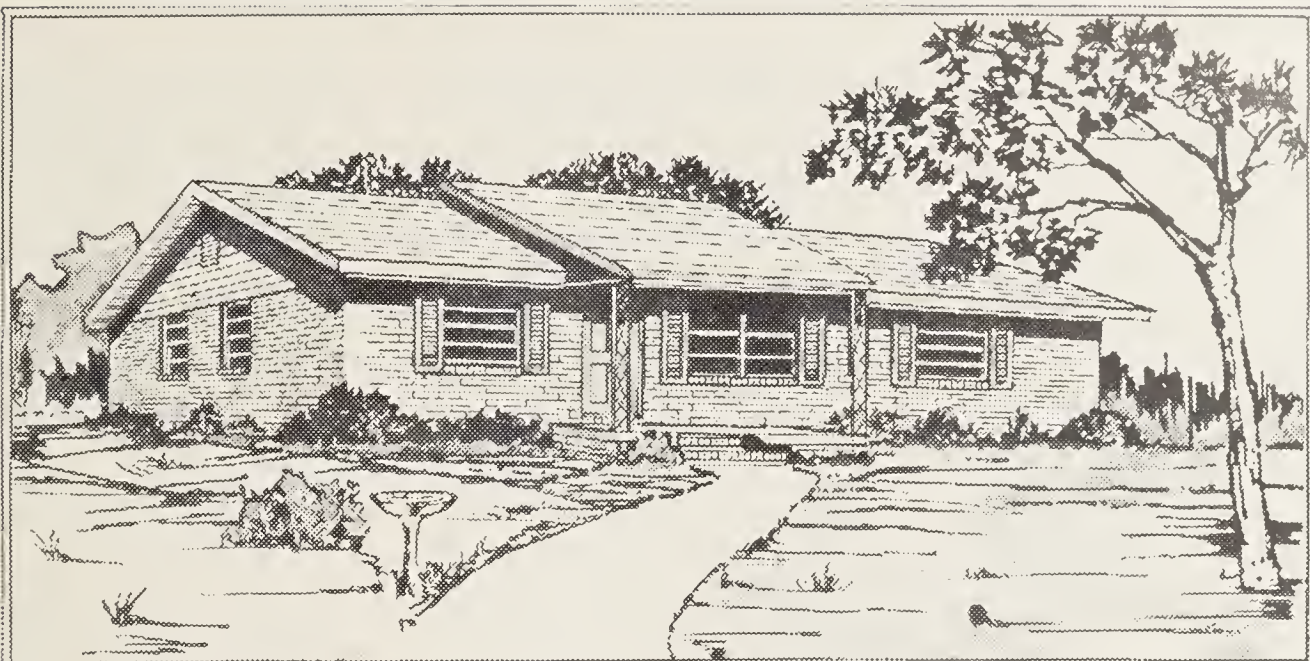
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EMC Employee Cited For Rescue Efforts

Walter T. Pollard of Tarboro, a 34-year employee of Edgecombe-Martin EMC, Tarboro, has been cited by the co-op's board of directors for saving a man's life in an April 6 accident. He was working with Don Abele of Charlotte, a General Electric employee, in doing maintenance on a substation recloser when Abele came into contact with high voltage.

Pollard extinguished the fire of Abele's clothing and revived him by using mouth-to-mouth resuscitation. Both the victim's arms had to be amputated as a result of the accident.

95,000 Students Witness Energy Education Program

About 95,000 Tar Heel high school students witnessed a special energy education program, "Energy Today and Tomorrow," during the 1978-79 academic year.

The program, which featured assembly demonstrations in 159 schools, is expected to be presented in 125 schools during the coming academic year.

It's sponsored by N.C. State University, with funding from various energy-related organizations, including the N.C. Association of Electric Cooperatives.

Cover Photo Features World's Largest 'Windmill'

Our cover photo shows the world's largest wind turbine generator, perched atop Howard's Knob at Boone, which is expected to go into operation within the next few weeks, generating power for consumer-members of Blue Ridge Electric Membership Corporation. The 2,000 kw experimental generator was erected by the Department of Energy and the National Aeronautics and Space Administration. (See story, Pages 9-11).

The photo was made by Bob Marsh of Jefferson Aviation in Jefferson, especially for *Carolina Country*.

EMC Power Cost Hike Gets FERC Approval

The Federal Energy Regulatory Commission has approved a settlement agreement between six North Carolina Electric Membership Corporations and Virginia Electric and Power Co. covering the power company's bulk power rates.

The decision endorses new VEPCO rates which the EMCs agreed to accept several months ago.

Under the new rates, the co-ops will be paying about 13.4 percent or \$182,500 more per year for the energy they purchase from VEPCO for re-sale to their consumer-members.

VEPCO originally asked the FERC to approve new rates which would have increased the power costs by 22 percent or \$300,000 annually.

As part of the settlement agreement between VEPCO and the EMCs, the power company agreed not to seek additional hikes in bulk power costs through September 1 of this year.

The six North Carolina EMCs affected by the rate decision are: Albemarle, Hertford; Cape Hatteras, Buxton; Edgecombe-Martin County, Tarboro; Halifax, Enfield; Roanoke, Rich Square and Tideland, Pantego.

Ten EMC Women Named To Statewide Committee

Ten women representing local volunteer women's committees of Electric Membership Corporations across the state have been named to the Statewide Women's Advisory Committee, which assists the local committees in planning and implementing community programs.

They are Betty Pitts of Blowing Rock, representing Blue Ridge EMC; Clara Herring of Rt. 2, Tabor City, Brunswick EMC; Ruth Cherry of Rt. 2, Rocky Mount, Edgecombe-Martin County EMC; Geneva James of Rt. 5, Marshall, French Broad EMC; Isabell Redmond of Rt. 3, Clyde, Haywood EMC; Valrie Greene of Rt. 1, Macon, Halifax EMC; Josephine Beasley of Rt. 3, Lumberton, Lumbree River EMC;

Peggy Gaddy of Rt. 1, Peachland, Pee Dee EMC; Beth H. Watson of Rt. 2, Lucama, Tri-County EMC and Anna Belle Morris of Rt. 4, Snow Hill, Pitt and Greene EMC.

Other members of the statewide group are Maxine Jordan of Rt. 2, Clarkton, chairman; Mamie King of Rt. 1, Warrenton, vice chairman and the state representative to the National Women's Board, Joy McCal of Rt. 1, Ellerbe.

Williamson of Rt. 1, Whiteville and Alice Wilson of Tarboro.

Nuclear Energy Forum Precedes Annual Meeting

A special "Nuclear Energy Forum," featuring a Duke Power Co. official, will precede the 1979 Annual Meeting of Haywood Electric Membership Corporation, Waynesville, which is scheduled for Aug. 25 at Tuscola High School.

Ira Kaplan, supervisor of public information for Duke Power, will conduct the one-hour nuclear power forum beginning at 9:30 a.m. Registration for the meeting will begin at 9 a.m., with the meeting set for 10:30 a.m. James M. Hubbard, executive vice president of the statewide EMC organization, will address the meeting.

Incumbent directors who will be up for re-election to the co-op's board are Jack Harris of Rt. 2, Clyde; Roy B. Medford of Rt. 4, Waynesville and Wallace Wood of Rt. 68, Tuckasegee.

Each County Gets Weather Observer

A statewide system of volunteer weather observers has been established in North Carolina through the joint efforts of the N.C. Agricultural Extension Service and the National Weather Service.

The Extension Service has recruited a volunteer observer in each county and furnished them with instruments valued at about \$85. The volunteers make "ground truth observations" once a day and feed the information into a National Weather Service

computer in Washington through a "touch-tone" telephone.

The information will eventually enable meteorologists to make more detailed, localized weather forecasts, said Dr. T. C. Blalock, state extension director.

He said it is estimated that more accurate weather forecasting might help farmers save as much as \$15 million annually in disease losses.

Dr. Harold Scott, chief, Agricultural Branch, National Weather Service, said a system of volunteer weather observers is being established in 12 states but that North Carolina is the first state to complete its system.

Ground truth observations have been made in the past only at airports. As a result, the National Weather Service has not received data from large areas of the state.

First Woman Director Elected To EMC Board



Anna Belle Morris of Rt. 4, Snow Hill, has been appointed the first woman director of Pitt and Greene Electric Membership Corporation, Farmville. She was elected to fill the unexpired term of David Corbett of Rt. 3, Snow Hill, who resigned.

Mrs. Morris, who has been active in the co-op's Women's Committee for several years, also serves on the statewide Women's Advisory Committee.

Eight other women also now serve on the boards of the state's EMCs.

NCSU Vet School to Open in 1981

The appropriation by the 1979 General Assembly of \$22 million in additional funding will enable North Carolina State University to open its new School of Veterinary Medicine in the fall of 1981.

Dr. Terrence M. Curtin, dean of the school, said NCSU hopes to admit its first 40 students in veterinary medicine

in 1981. Enrollment will reach 350 when construction is completed.

The first phase of that construction—site work, utilities, paving and a power plant—is now underway off Hillsborough Street near the State Fairgrounds.

Directors Re-Elected At Randolph Meeting

Three incumbent directors of Randolph Electric Membership Corporation, Asheboro, were re-elected to new terms at the co-op's 1979 Annual Meeting July 20.

They were Henry Allen of Troy; James H. Garner of Rt. 2, Robbins and Dolan Surratt of Rt. 3, Denton.

Threshers Reunion Set For Sept. 8-9

The fifth annual "Threshers Reunion," featuring a show of antique farm equipment and various demonstrations, is scheduled for Sept. 8-9 at the Baxter Ribelin farm near Salisbury.

The reunion, sponsored by the Poolertown Volunteer Fire Department, is held yearly to raise money for firefighting equipment. This year's events will include demonstrations of a molasses mill, a moonshine still, old-

fashioned gunsmithing, children's events and a junior rodeo.

Last year's reunion raised \$5,500 to pay off the balance due on a new firetruck.

Tar Heel EMCs Get REA Loans

Two North Carolina Electric Membership Corporations have recently received loans from the Rural Electrification Administration to finance expansions and system improvements:

- Pee Dee EMC, Wadesboro, received a \$1.8 million loan for expansion to serve 1,500 additional consumers on 90 miles of distribution line. Upon completion of the project, the co-op will be serving 14,768 consumers over 2,387 miles of line in portions of seven counties.

- Union EMC, Monroe, received a \$2.4 million loan for expansion to serve an additional 1,950 consumers on 116 miles of distribution line. When the project is finished, the EMC will be serving 20,402 consumers over 2,694 miles of line in portions of five counties.

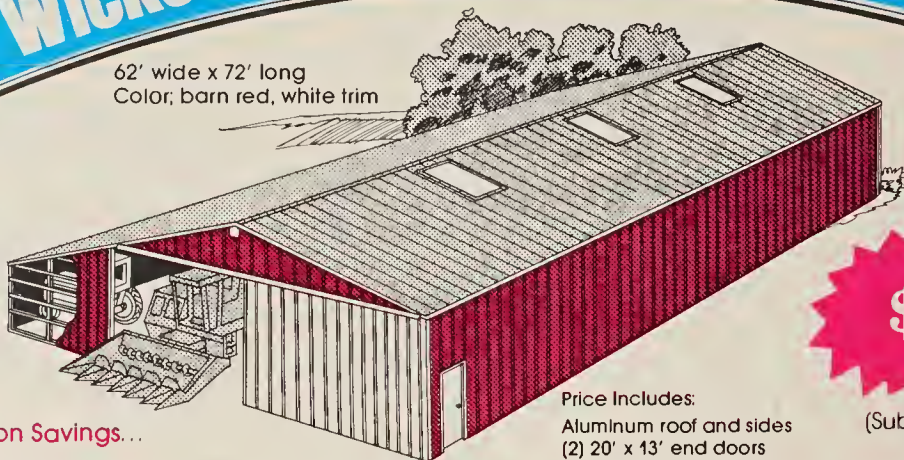
Home Folks

Three North Carolina Agricultural Extension Service Agents have been honored by the National Association of Extension 4-H Agents. Each received the organization's Distinguished Service Award. They are **Carolyn Stanley** of Vance County; **George Koonce** of Warren County and **Hoover M. Royals** of Anson County. **Royals**, a veteran of 25 years as an extension agent, is a director of Pee Dee EMC, Wadesboro. **Jack Sellers**, a native of Clay County, has been appointed manager of Blue Ridge Mountain EMC, Young Harris, Ga. The Hayesville native, who has a Ph.D. in management, is a former member of the faculty at Western Carolina University. **Jesse Hicks**, state conservationist with the USDA-Soil Conservation Service, has been elected a Fellow by the American Society of Agricultural Engineers. **Spencer Carter**, former associate editor of *Carolina Country*, has been named director of communications at Blue Ridge EMC, Lenoir. He left the magazine post a year ago to take an employee and public information post with the Westinghouse Steam Turbine Plant in Charlotte.

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Quixote Never Saw Anything Like This

Don Quixote never tilted his lance at anything like it—even in his wildest escapades across the Spanish landscape.

After all, readers of Cervantes' classic satire would never have accepted the fiction of a 325-ton windmill with 200-foot blades perched atop a ten-story tower.

But just such a windmill dominates the landscape at Boone these days, a monument to space-age technology, computer science and the nation's search for new ways of tapping unused energy resources.

Technically, it's no windmill, for it doesn't mill grain or pump water. Yet, when the wind is right, it will grind out electricity.

It's the largest wind turbine generator in the world.

But one speaker at the July 11 ceremonies dedicating the giant generator drew a parallel between it and the windmills of Quixote's comic battles.

"It's ironic that Miguel Cervantes used as a symbol Don Quixote de la Mancha, who tilted his lance at windmills to overcome what appeared to insurmountable problems," said Brian Flattery, state energy director.

"I think the administration today has developed a very real symbol behind me that will tilt its lance at the OPEC cartel, which has arbitrarily, capriciously set the level of oil and it's affecting every energy source and the standard of living in this country."

The windmill, he said, represents the efforts of the Department of Energy and the country in all the fields of alternate energy technologies—wind energy, solar energy, wood energy, the development of cogeneration and the liquefaction and gasification of coal—"in short, any alternate energy source which will help decrease our reliance on the most politically volatile area of the world."

Flattery, who appeared in behalf of Gov. Jim Hunt, said North Carolina is bidding to become a "spearfront" for the development of these alternate energy technologies. The state already has more legislation dealing with these technologies than any other and more measures are pending before the General Assembly, he added.

"The OPEC cartel cannot be allowed to dominate and influence the very way we live and the only simple answer is to reduce the dependence on conventional imported arbitrarily-priced oil. And that can only be done through the development of alternate energy resources."

Quoting the comic strip character Pogo, he said, "We have met the enemy and he is us," pointing out that OPEC could never have developed its dominance of the world energy scene without "our cooperation."

The windmill project, involving two federal agencies, state and local government and private enterprise, is an example of what the nation can do through cooperation "to slip the stranglehold of OPEC," Flattery said.

Sounding the same note, Dr. Bennett Miller, director of solar, geothermal and energy storage systems for DOE, said the windmill "symbolizes man's energy future just as it links man's energy past. We must end our reliance on foreign (oil) imports. We must look to sunshine and wind power."

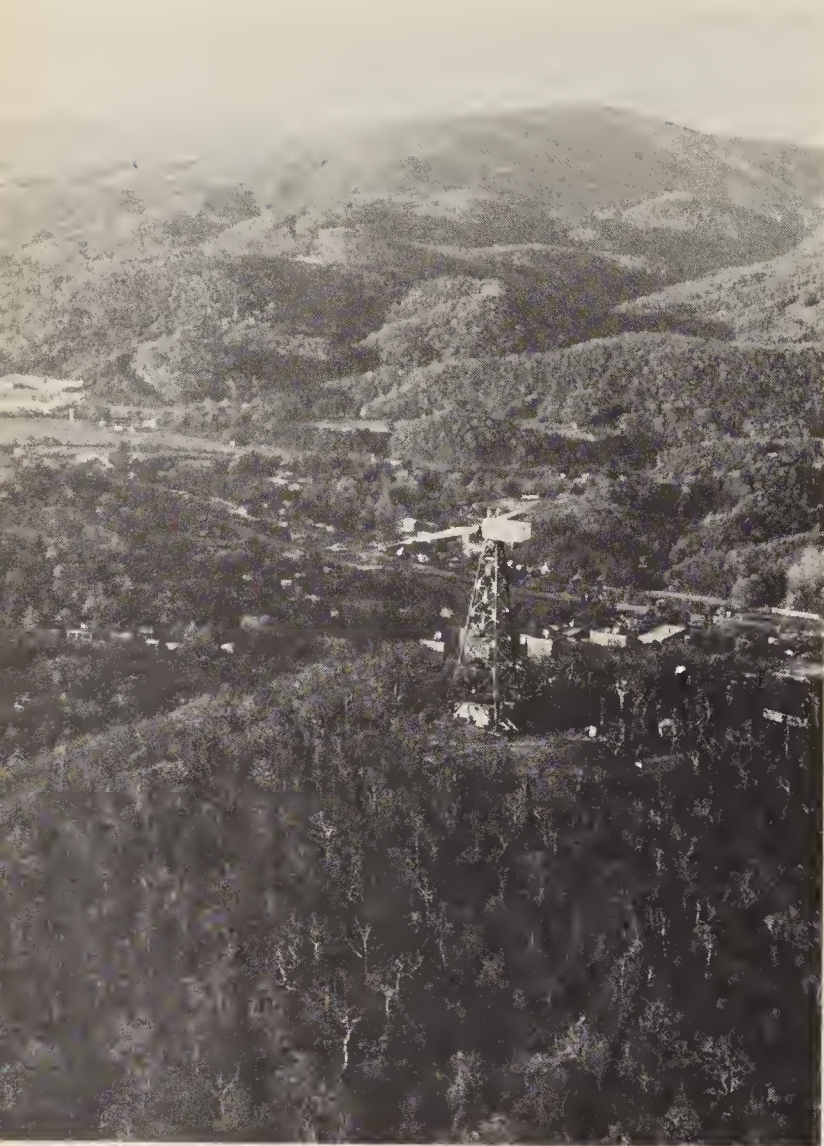
"Try as they may, OPEC cannot shut off the supply or raise the price of sunshine or wind."

(Continued on Page 10)

—Kemp Ward



This photo was made soon after the wind generator's huge blades were installed in May.



—Bob Marsh

(Continued from Page 9)

About 500 people turned out for dedication ceremonies, which began on the Appalachian State University campus and then moved to the windmill site on Howard's Knob.

The blades of the windmill, which had been still through the morning, began turning just as the 1 p.m. ceremonies began. The wind had finally reached the 11-miles-per-hour velocity required to make the two 100-foot blades spin. They're designed to turn at wind speeds of between 11 and 35 mph.

At the ideal wind speed of 25 mph, the windmill can produce 2,000 kilowatts of power. That's enough to serve the needs of between 300 and 500 homes.

Electricity from the \$3 million generator will go into the system of Blue Ridge Electric Membership Corporation, a co-op serving about 36,000 consumer-members in a seven-county area.

Since wind speeds on the 4,200-foot mountain average about 18 miles an hour, it is not expected to operate all the time. However, if it operates for a total of six to nine months during the year, as is estimated, it could supply 1 to 3 percent of the EMC's energy needs and save its consumers about \$150,000

annually.

The average cost of power generated by the unit is expected to be about 14 cents per kilowatt hour. Blue Ridge now buys bulk power from Duke Power Co. for 2 cents per kwh.

"It is not designed to produce economical energy," said Louis V. Divone, chief of the wind systems branch of DOE. "It is a test machine. . . comparable to the first or second airplane."

The generator, which is expected to begin producing power within the next few weeks, is still undergoing preliminary tests by technicians.

It is a project of DOE, but since it involves aerodynamics it was turned over to the National Aeronautics and Space Administration for design and construction. The generator was built by General Electric Co. at its Philadelphia plant.

The rotor blades, made of hollow steel, were designed and built by the Boeing Aircraft Co. in Seattle. They are larger than the wingspread of the Boeing 747, the largest commercial airliner in service.

The blades can be adjusted so as to take bigger or smaller "bites" of the passing wind. They can also be

Dedication: 'Twas

The formal ceremonies dedicating the windmill at Boone became but one of the focal points for a free-spirited and festive celebration of the event.

Local residents declared the day a holiday and took to the streets for a crafts fair, where merchants passed out pinwheels and balloons. Street vendors did a brisk business in windmill T-shirts and bumper stickers.

Many stores were featuring "Windmill Day" specials and musical groups and characters from area tourist attractions performed in the streets.

Joe Miller of Boone Drug Co. distributed free tickets for "one ride on the world's largest windmill." They were labeled, "worthless."

Adding to the carnival atmosphere was the onslaught of news media representatives who descended on the resort community of 12,000 in droves to record the event.

About 50 reporters, photographers and television crewmen, including representatives of the three major networks, attended a news conference prior to the dedication ceremonies, which were broadcast live by three radio stations.

The scene even included a lone anti-nuclear protestor, John Barach, an Appalachian State University student from Charlotte, who carried a hand-painted sign which said, "Wind Power Blows Nukes Away." □

from rotating. The rotor is designed to turn at a steady rate of 35 revolutions per minute.

Grant Award for Park

Watauga County has been awarded a \$38,000 federal grant to help finance establishment of a park at the Howard's Knob windmill site.

The grant, which will be matched by county funds, was announced by Maria Spaulding of the North Carolina Department of Natural Resources and Community Development, at the windmill dedication.

The proposed park will surround the generator and will include a road system, parking and picnic facilities, foot trails and a visitor center where the operation of the generator can be explained in detail.

Sensing devices detect changes in the direction of the wind and automatically rotate the generator to the most efficient position.

The entire machine is designed to function efficiently at temperatures ranging from 31 degrees below zero, Fahrenheit, to 120 degrees above zero. And it's designed to withstand wind speeds of 150 mph with the rotor blades stopped and locked.

The generator will be controlled by a Blue Ridge technician at the co-op's headquarters in Lenoir. Monitoring systems will permit the operator to know

the condition of the machine, how it is functioning, the temperature and the wind speed and direction at Howard's Knob at all times.

The generator's operations will be reviewed by federal officials to determine how the machine could be better designed, how much electricity it can generate over a period of time, the cost of the power and the environmental effects it might have on the community.

It'll be operated for two years as test run under the auspices of DOE and NASA. At the end of that period, if it is still operational, it may be turned over to the Blue Ridge EMC.

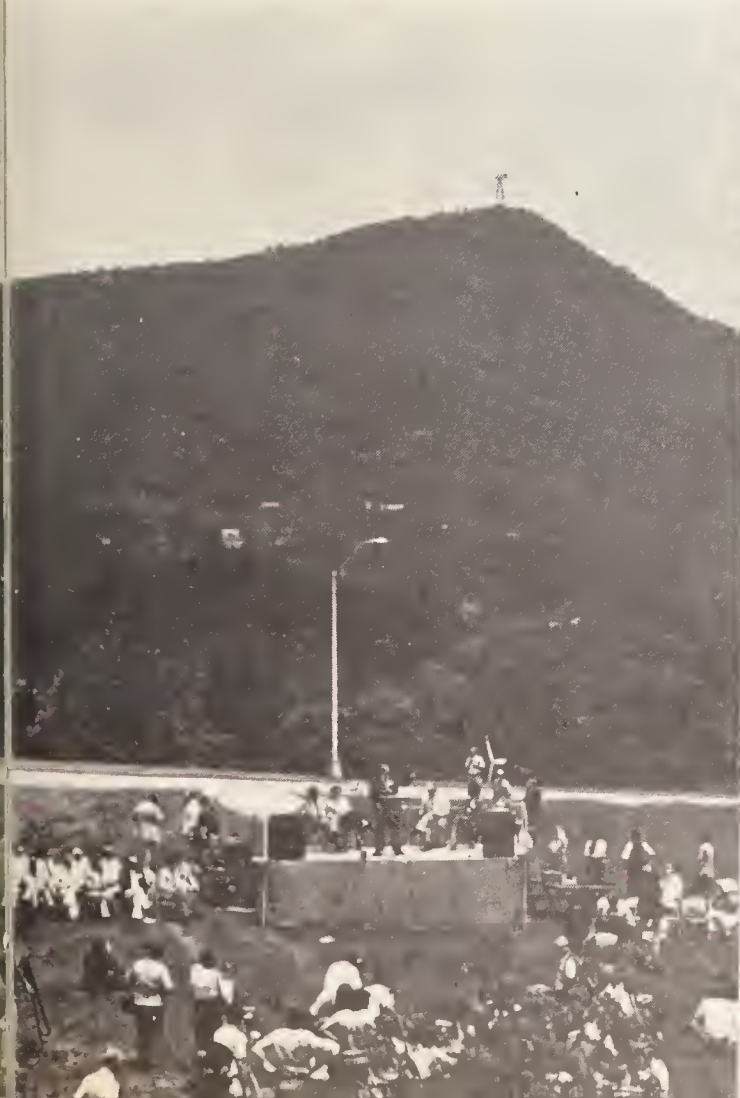
The generator is the fourth to be built by federal agencies and is 10 times as large as the other three. They are in Clayton, N.M., Block Island, R.I., and on the island of Culebra in Puerto Rico.

The Howard's Knob site for the generator was selected as a result of an application submitted by Blue Ridge officials. It was chosen from among 17 potential sites across the country which were tested for a full year before the final site was chosen in the fall of 1977.

Site work began in June, 1978, and the tower was erected last October. The generator and rotor assembly was added in November, and the rotor blades in May. □

—Owen Bishop

A Festive Celebration



FAR LEFT — The formal ceremonies dedicating the wind generator drew about 500 people, including various state and federal government officials. **TOP CENTER** — Among the guests was Gwyn Price of Warrensville, a pioneer in North Carolina's rural electric program who served on the Blue Ridge EMC board. **BOTTOM CENTER** — Little Martha Van Devender of Boone enjoyed the festivities, including a pinwheel. **ABOVE** — This unidentified senior citizen doubled her pleasure with two pinwheels.



A Burden Lifted



Back in the winter of 1964, a poor woman with a sick husband slipped out of Rose Hill without paying a \$28 electric bill. Times were hard for them, and she just didn't have the money.

A few months ago she came back and paid that bill, now 15 years overdue. She even brought in the February, 1964, bill stub with her payment.

It took folks at Four County EMC, Burgaw, by surprise.

"I admire her for respecting this bill," said Rachel Dickson, the EMC's consumer representative. "It's most unusual. She had saved that bill all these years."

The old woman, guessed to be in her 60's and not wanting her name revealed to the public, told Cashier Thelma Jones that she

had intended to pay the bill as long as soon as she got back on her feet financially, but she never had the money until now. "She said, 'There's not many weeks gone by that I didn't think about this bill. I'd take it out and look at it. I knew someday I was going to be able to pay it. The Lord has been good to me. He's blessed us, and now I've got the money to pay it.'"

"She said, 'There's not many weeks gone by that I didn't think about this bill. I'd take it out and look at it. I knew someday I was going to be able to pay it. The Lord has been good to me. He's blessed us, and now I've got the money to pay it.'"

Ms. Dickson said that at first they thought the woman was paying the bill because she was moving back and wanted to get electric service again. But she said "No, I'm not moving back on your line. When we moved away, we knew we owed this bill.

I want to pay it because I owe it. I knew I would pay it when I got the money. I just haven't had it all at one time until now."

Ms. Dickson and Ms. Jones said they felt both appreciation and sadness—appreciation that the debt was finally paid; and sadness that the woman had been too poor to afford it until now.

"You really appreciate that kind of honesty, nowadays more than ever," Ms. Jones said. After paying the bill, the woman walked out of the EMC office—this time with a burden lifted from her mind.

—Kemp Ward

Books



Reviews By Frank Jeter, Jr.

North Carolina — A Camera Profile edited by Jane Corey. The Provincial Press, Chapel Hill. 120 pages. \$4.95.

The Duke campus. Jockey's Ridge. Jars of honey at a county fair. The Old Well at Chapel Hill. Beaches, mountains and a variety of the type of scenery that helps attract out-of-state tourists to North Carolina.

All these are contained in this inexpensive little paperback, along with quite a few scenes that might surprise you. Jane Corey, who specializes in attractive books on the Tar Heel State, had another good idea with this one.

The photographs are printed in black-and-white, but "A Camera Profile" loses nothing from this. There is no doubt that some pictures are more effective in monochrome, and the quality of photos underlines the viewpoint.

Many of the scenes are just what you'd expect, if you have traveled extensively in North Carolina: Wake Forest Chapel, a mountain lady being with her bonnet on, waves



Bonner Bridge connecting the two Outer Banks islands—Bodie and Hatteras. This photo from the book was taken by Clay Nolen.

breaking, even the long bridge between Bodie Island and Hatteras. But there are surprises.

Paratroopers filling the sky over Fort Bragg, Voice of America antennas at Greenville, a crop-dusting plane, nets drying at Avon. The swinging bridge across the Tuckasegee River is another example of the "unexpected" photograph.

Photographers include Steve Murray and Clay Nolen of Raleigh, Max Tharpe of Statesville, Ken Cooke of Fayetteville and Hugh Morton—who is actually a universal North Carolinian despite his affiliation with Grandfather Mountain.

If you're a fan of North Carolina (and "fan" is derived from "fanatic") then this one is for you.

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None To Comfort Me by Anne Mallard Davis. John F. Blair, Publisher. 246 pages. \$8.95.

Anne Mallard Davis of Whittier studied playwriting at the University of North Carolina on a Rockefeller Fellowship. In this very good first novel, she proves that the novel is only one square over from drama writing.

In addition to her mountain home, Ms. Davis—who is also an actress, with credits in several off-Broadway productions and in television—has a dwelling at Beaufort, South Carolina—the locale for her novel.

The story involves a young girl, her father—just retired from the Marines—and the plan to "go home" to her mother's home town.

The values of the book are as much in the pictures that are drawn as in the actual plot. We seem to live with people who train hunting dogs, enjoy cruising in their small boats, devour fish roe and grits for breakfast and are quick to speak when they are spoken to.

Frank Jeter Jr. is public information officer for USDA—Soil Conservation Service in North Carolina

Fashion Favorites



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Country Kitchen

HOMEMADE PEACH ICE CREAM



The hot, sultry days of August are the perfect setting for a neighborhood or family gathering to enjoy a freezer of fresh ice cream. And peach is the ideal flavor, especially with the availability of our own North Carolina peaches from the Sandhills. Mrs. Jack Stroud's recipe is an especially flavorful one for this favorite frozen treat.

If you would like to share a recipe with this column, send it to: **COUNTRY KITCHEN**, P.O. Box 27306, Raleigh, NC 27611. We pay \$5 for published recipes.

COUNTRY KITCHEN RECIPE

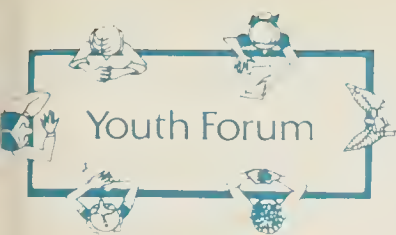
Submitted by Mrs. Jack Stroud of Elkin

HOMEMADE PEACH ICE CREAM

4 eggs
1 c. sugar
2 T. vanilla
¼ tsp. salt

½ pt. whipping cream
2 cans Eagle Brand condensed milk
3 c. fresh or frozen peaches
1½ qt. regular milk

Mix together eggs, sugar, vanilla, salt and cream. Put in freezer can, add condensed milk and stir well. Blend peaches in blender and add to freezer can. Finish filling can with regular milk. Makes one gallon.



WHAT DO YOU THINK IS THE BEST METHOD FOR SAVING ENERGY AND WHY?

By turning lights out when they're not in use, by driving less per week, by having proper home insulation, and by using home appliances wisely, we can save millions of dollars daily. The money we save through conserving can, in turn, be used to further technology in the energy field.

Allen Fox
Taylorsville

Allen is a rising sophomore at Alexander Central High School and enjoys writing essays, reading, sports and singing. He and his parents, Mr. and Mrs. W. Paul Fox, are served by Crescent EMC, Taylorsville.

I feel that the best way to save energy is for each family to have a round table discussion on how to conserve energy. Then, require each family member to follow conservation methods the family decides to use. All schools, businesses and other institutions should use the same approach as the family. Unity is the key that can unlock the door to energy conservation.

Grace Rose Wilson
Rocky Mount

Grace is a rising junior at Rocky Mount Senior High School and enjoys reading, biking, singing, playing the piano and organ. She and her parents, Mr. and Mrs. Melvin E. Wilson, are served by Edgecombe-Martin County EMC, Woburn.

I think the best method for saving energy is knowledge. If people only knew the seriousness of the energy crisis, I feel they would be more likely to conserve. Therefore, I believe the networks should make movies showing what would happen if we don't begin

applying conservation. By doing this, the country would be a lot better off.

Tony Harrelson
Clarkton

Tony is a rising sophomore at Clarkton High School and enjoys reading, swimming and running. He and his parents, Mr. and Mrs. George D. Harrelson, are served by Four County EMC, Burgaw.

The best way to save energy, in my opinion, is for everyone to work together and help each other find new resources for a world that needs them. If people could do that, it would give the younger generations a chance to live on in the future.

Sharon Coe
Dobson

Sharon is a rising sophomore at Surry Central High School and enjoys studying wildlife, cooking, sewing and swimming. She and her parents, Mr. and Mrs. Bill Coe, are served by Surry-Yadkin EMC, Dobson.

NEXT QUESTION: Do you feel that the State Competency Test is needed to promote better education for students?

If you have a good answer, send it to **YOUTH FORUM** Carolina Country, P.O. Box 27603, Raleigh, NC 27611 immediately. Tell us a few facts about yourself — your age, school, hobbies, etc. Include your parents' name and the name of the electric membership corporation serving you. If your answer is published, we will send you \$5. If you want to submit a question, send it along and for each one used, the sender will receive a \$5 check.

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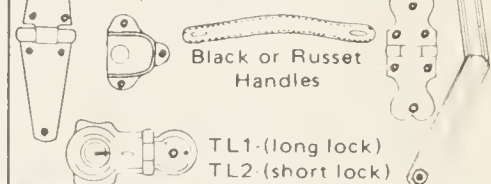
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Insurance Can Provide Source of Financial Security For Farmers

Farm families should not overlook the importance of health insurance as a source of financial security, says Stephen R. Sutter, extension farm business specialist at North Carolina State University.

"Health insurance is one of the more complex lines of insurance, and the farmer should take care in determining the adequacy of present coverage or protection given by a policy that he is considering purchasing," Sutter said.

Coverage May Be Limited

A health policy may cover medical expense solely as a result of accident, or both accident and sickness. Accident policies may also contain death, dismemberment and loss of sight benefits as part of the contract.

Sutter said health insurance policies are of several benefit types:

- Basic hospital and surgical expense policies provide a daily hospital benefit of some amount for a specified number of days. A surgical schedule may be included that lists specific operations that are covered, and the maximums payable for each. Provision may also be included for miscellaneous hospital expenses, nurse attendance, or maternity expenses up to specified maximums.

Major Medical Covers Catastrophic Cases

- Major medical expense policies protect against catastrophic economic losses that would result from more serious and extended medical treatment. These policies are characterized by deductible, the initial amount of expense that the policyholder must pay in full. Expenses above the deductible are paid in part (generally 80 percent) by the insurance company, with the remaining part paid by the policyholder.

The policy will have a relatively high maximum coverage, per insured or per family, beyond which expenses are not insured.

- Disability income policies provide a specified monthly cash income for a certain number of months, to replace in part the income lost as a result of total or partial disability. It is important for the farmer to know how partial or total disability is defined in his policy and duration of benefits. There may also be a waiting period before benefits begin. □

How to keep your kitchen cool and cooling costs down.

August is no time to be slaving over a hot stove. It makes you miserable, and if you have an air conditioner, it has to work harder and longer to cool your house.

So instead of a hot evening meal, serve your family cold cuts and a big green salad. Or cook out on the grille and have a picnic in the backyard.

When you keep your kitchen cool, you keep your cooling costs down. And you make life a little easier for yourself.

We're All In This Together.



Archives Offers Directory of Highway Markers

If you didn't catch it on the highway, you can now read it in a handy new directory, *A Guide to N. C. Historical Highway Markers*, that has just been published by the Division of Archives and History, a section of the Department of Cultural Resources.

The 262-page guidebook, fully cross-indexed by subject, title and county, is the seventh edition of the directory, and it was edited by Jerry C. Cashion, research supervisor of the preservation section.

Includes 1,200 Markers

The book includes directions to the more than 1,200 regular and special highway markers that are a continuation of the program begun in 1935 by the General Assembly "to provide for the erection of markers at points of historic interest along the public highways." Each entry includes the identification of the highway marker, with a brief description of its historical significance and general location.

The North Carolina marker program is divided into 17 historical districts, alphabetically listed A through Q, with each marker's particular letter number designating the district in which it appears and the order in which it was put up. Thus, the marker designated "Q-10" would indicate that the marker is in District Q (Cherokee, Clay, Graham, Jackson, Macon and Swain Counties) and was the 10th marker erected within that particular district.

There are some unnumbered special markers which are referred to only by the district letter and the marker title, such as "Special G BATTLE OF ALAMANCE."

Map Shows Districts

A map showing the various districts appears on the inside front cover of the guidebook. Illustrations of some of the historical points of interest are also included.

Copies of the new guidebook are available at \$2.50 each plus 50 cents postage from the Department of Cultural Resources, Historical Publications Branch — NM, 109 E. Jones St., Raleigh, 27611.

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SAVE UP TO \$200 A YEAR ON GAS

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Why? All the advances made in automotive technology, the carburetor still does not respond effectively to the wide range of driving conditions you encounter every day. It is possibly the most ineffective component in your entire engine and is responsible for a significant waste of gasoline. The carburetor is pre-set at the factory for idle conditions. This means that it is most ineffective in providing the proper gas-to-air mixture when the car is standing still and when the car is not idling upon to perform under "load conditions." When you drive at higher speeds... or start up from a dead stop... or negotiate grades and steep hills... or tow a trailer or camper... or carry a full load of passengers, too much gas feeds into the carburetor and reduces fuel economy. Every time that happens, it's like pouring money down the drain.

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Controlled Tests Confirm Big Dollar Savings In the Spring of 1978, we arranged for a local Shell Gas Station to conduct a controlled, supervised, unbiased test using seven different cars owned and driven by professional drivers. Each car was fitted with a standard gas cap and the keys kept in the possession of the drivers. After establishing base mileage consumption data for each car, the BALL-MATIC was installed and the test was repeated. The per-gallon figures were re-checked. Every single time the test showed dramatic improvement.

Year/Make Of Car	MPG Improvement
1970 Cadillac Eldorado	21%
1970 Chrysler Imperial	28%
1969 Oldsmobile Cutlass	8%
1974 Chevrolet Vega	10%
1972 Ford Gran Torino	19%
1967 Chevrolet Camaro	16%
1973 Cadillac Eldorado	40%
IMPROVEMENT RANGE	8% to 40%

Start Saving Immediately Now, tens of thousands of motorists all over the country have put the BALL-MATIC GAS SAVER VALVE in their cars. It takes only a few minutes to install and no special tools are required (easy-to-follow instructions are provided) — it's so easy, anyone can do it! Best of all, the BALL-MATIC works immediately with no "breaking-in period" — you experience instant savings with the very first tankful.

The BALL-MATIC fits all American and foreign cars except Volkswagens. Do not use on diesel or fuel injected models.

READ THE RESULTS FOR YOURSELF!

I have had a remarkable improvement starting with my very first tankful going from 17-20 MPG in my 1979 Oldsmobile Cutlass. Since I am Executive Vice President in Charge of Sales for my company, I total well over 35,000 miles a year. According to my calculations, the BALL-MATIC will save me over \$300.00 in the next 12 months alone. Needless to say, I was one of my best investments of the year!

Joseph D'Errico, Sr., Hamden, Connecticut

Just a short note to inform you of the performance of your BALL-MATIC unit that I have installed in my 1972 Ford station wagon. Prior to using your device, I averaged 12 to 13 MPG, now that I have installed your unit my mileage has gone up to 16 MPG around town.

A. Coutts, Sheriff, Orange County, California

I want to express my thanks for the BALL-MATIC. Since it has been installed in my car, my gas mileage has not been under 18 miles per gallon. This is an increase of 5.5 miles per gallon.

Rev. R. N., Claremont, California

After installing the BALL-MATIC on my 1972 Oldsmobile Toronado I increased from 7.5 to 10.5 miles to the gallon.

Seeing this I took my station on as a BALL-MATIC dealer, and within the first week sold over 100 valves.

This is the kind of extra income producer that other service stations should consider during this energy crisis to service their customers.

Louis Michaud

Mobil Service, New Britain, Connecticut

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All you do is simply slip the BALL-MATIC onto the line leading from the PCV valve and twist into place. (It's as easy as screwing in a light bulb). In fact even if you never lifted the hood of your car before... you can install the BALL-MATIC in just a few moments (no special tools required). Easy to follow instructions are included.



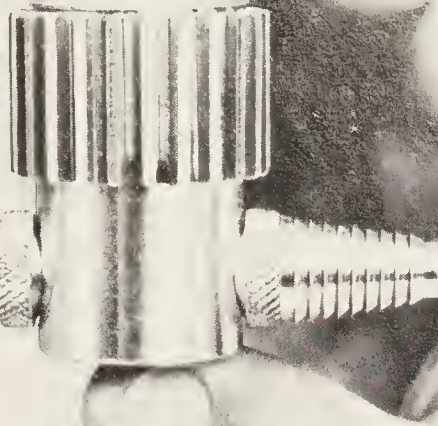
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DEALER INQUIRIES INVITED



Citizens Must Choose Between Nuclear and 'Soft' Energy

In reference to the "Commentary" by Mr. James Hubbard and the editorial in June's *Carolina Country* I would like to point out that avoiding the inherent dangers associated with nuclear energy will not subject the United States to hunger and a 40-year life expectancy per person. Even if choosing safe energy sources led to a lowered standard of living, which is untrue, I would appreciate an opportunity to make that decision as a member of America's democratic citizenry rather than being tossed head-over-heels into an

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There are two victims of child abuse and neglect.

One of them is the child. The other is the parent. Both need help.

Many abusing parents were themselves abused as children. They need someone who will help them cope with pressures in a different way.

If you need help ...or know of someone who does ...call us. All contacts are confidential. To get help, or give help, call

**YOUR COUNTY
DEPARTMENT OF SOCIAL SERVICES**

irreversible dependence on nuclear fission power by the utility executives.

I believe that most Americans are sufficiently moral and courageous to assume a lower standard of living rather than subject our progeny to the danger's of nuclear wastes.

Finally, I would like to request a moratorium on nuclear energy production with an emphasis on soft, safe energy sources until the issues of 1) chronic and accidental releases of nuclear wastes from power plants and 2) disposal—not containment—of permanent radioactive wastes have been dealt with adequately.

*Leon Morrow
Rt. 6, Morganton*

Subsidies of Nuclear Energy Distort Its Economic Picture

Your editorial and feature story that appeared in the May issue of *Carolina Country*, regarding the controversy surrounding the Three Mile Island nuclear power plant in Pennsylvania, accurately pointed out the numerous benefits of generating energy from a nuclear source as opposed to drawing energy from the more conventional sources of power. In addition, that issue of your publication discussed the reliability of a nuclear power station's health and safety features.

However, your editorial quoted a Duke Power Co. official as saying that nuclear power is less expensive than other forms of power generation—this is true only because the nuclear industry is heavily subsidized by taxpayer dollars through grants and other aid provided by the federal government. Without taxpayer subsidies (which force all taxpayers to pay for nuclear energy, not merely its users), nuclear power would be very, very expensive for homeowners and businesses to use. Government interference in the economy, unfortunately, always distorts the economic picture.

The cost of generating power, of course, would not be affected by government subsidies or any other gifts. What these subsidies to the industry do affect, however, is the cost to the consumers and the cost to the taxpayers, who may or may not even benefit from that form of energy. Nuclear power would be far more expensive to each customer if government subsidies were removed from the industry. While higher costs to users is not desirable, the effect is only temporary. Removing government subsidies from nuclear power generation will also free more capital

to expand energy production and accelerate the search for less expensive forms of energy generation.

A Transfer of Wealth

It's purely a matter of economics subsidizing the cost of generating nuclear power by monies other than free-market capital is merely a transfer of wealth from taxpayers across the country to benefit a nuclear company's users by offering artificial cheaper electricity at the part expense of all taxpayers. The American taxpayer is forced to pay for nuclear power, whether he or she uses it or not. The electricity bill that Duke Power customers receive does not, then, include that portion of the federal taxes that already has paid for their power, nor does the bill include that portion of every taxpayer's income that was used to provide the electricity to Duke users.

An equally serious impact of subsidizing the nuclear industry is not merely that there has been a transfer of income from all taxpayers in the country to that industry, but a government subsidies artificially expand the industry at the expense of competing conventional power industries and these subsidies also stifle the research and development of potentially more efficient and less expensive alternative forms of power generation.

Most people, I think, are convinced that nuclear power has a number of advantages over conventional forms of power. However, that does not guarantee that nuclear power is the energy panacea anymore than hearing a solar energy expert contend that solar power is the final answer to our energy problems. Nuclear energy may presently be better than the conventional forms of energy, but just as it has replaced coal and oil as an energy source, nuclear power also could be replaced by an even more efficient form of power—if nuclear costs were not kept artificially low by government subsidies.

Removing those subsidies and other government "gifts" to the nuclear industry would free the capital used as taxes to compete with nuclear power in developing an improved form of energy that would indeed be marketed at less cost to consumers with no aid from tax dollars.

In a free economy where government subsidies are permitted to distort the cost picture, the nonsubsidized industries that cannot produce cheap power would shrink

ie, which then releases capital and
bor to expand new industries that are
ble to generate inexpensive energy. It
economically foolish to let the
overnment "preserve" the nuclear
dustry, or the coal industry, or the
hydroelectric power industry through
ubsidies and other forms of
rotection from competition.
mproved methods of supplying
lectricity must constantly supplant
bsolute or expensive methods to
rovide energy more efficiently to a
onsuming public.

Alan Brooks
Fort Collins, Col.

ennessean Enjoys Magazine

I enjoy reading *Carolina Country* so
uch. My husband is from Hayesville,
C., and I usually get to read the
magazine, but not always. I enjoy your
articles and always your *Country*
kitchen recipes. Because I don't
always get to read *Carolina Country*
when it comes out, I am enclosing a
check for a year's subscription.

Sue Shelton
Chattanooga, Tenn.

at May Not Be An Early Stage of Coal

n "Funds Sought for Peat Fired
enerator" (April issue), you state that
at, "is an early stage of coal". I think
there is considerable evidence that
this might not be true, though at one
time, it was a popular belief.

Coal is undoubtedly composed of
carbonized plant remains. However,
coal seams are regularly interbedded
with strata of shale, limestone, or
sandstone. Often, the seams are very
thick and may be repeated dozens of
times in a vertical section. Never, has
the grading of the seams vertically
from peat to coal been found. Thus, no
relation of peat to coal has ever
been established. In fact, the
alternating vertical striation refutes the
uniformitarian concept of coal
formation and substantiates the drift
accumulation concept of flood theory.
Furthermore, fossil trees (and other
plant remains) clearly indicate coal
seams to have been a product of rapid
sedimentation by hydraulic action.
Fossil trees have been found at angles,
horizontally standing, or even upside
down in coal seams.

Though we disagree on the origin of
coal, we certainly do agree on the
potential of peat as a clean and
competitive fuel for power
generation.

Ed Taylor
Rt. 2, Brevard

Lane

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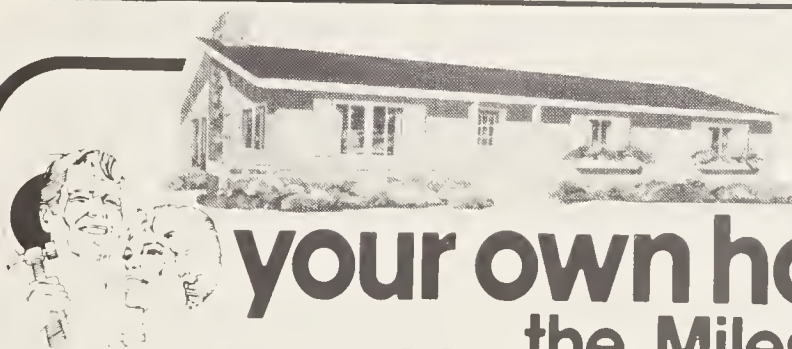
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Eyeing Energy's Crystal Ball

When the North Carolina Utilities Commission began a public hearing July 17 on the state's future energy needs, the witnesses who appeared at the opening session included three individuals with ties to the Tar Heel rural electric program.

They were Wilbur Earp of Rt. 1, Winnabow, a farmer who is a consumer-member of Brunswick

Electric Membership Corporation, Shallotte; Alice Wilson of Tarboro, a director of Edgecombe-Martin County EMC, Tarboro and James S. Melton of Rt. 2, Hubert, a director of Jones-Onslow EMC, Jacksonville.

Their statements, as submitted to the commission, are reprinted here:

Wilbur Earp

I am Wilbur Earp, a farmer from Brunswick County. We operate a 400 acre diversified farm business with mostly family labor inputs. We produce corn, soybeans, pork, beef and grapes. We consider the continued operation of our farm and others that are similar, necessary or even vital to the health of the economy of this nation.

Over the years our farm has increased in size, both in acreage and in volume of production. These changes were brought about without increases in non-farm labor. The skilled labor was simply not available. Increases were made and improvements gained through the use of mechanization and automation.

We expect all of these trends to continue. We expect our cost of production to increase. We expect our margin of profit to decrease; therefore, in order to maintain or improve our standard of living we are required to increase our volume of production. Increases that can only come from improved technology and still more automation.

Wilbur Earp of Brunswick County discusses farm energy needs at hearing.

Most of this situation involves the use of electric power. At this point I would like to remind you that as an individual farmer I am a small customer of electric power, but multiply me by the thousands of farmers and we are the largest industry in the state. In the years to come our operations will require ever increasing amounts of electric power. It is vital that electric power be in an uninterrupted supply and at a cost that will allow us to live and let live.

This electric power comes to us on a single-phase co-op line and it doesn't matter to us where it originated. We cannot tell the difference in hydro-electric, coal fired turbine generated or nuclear generated. Our main concern is a dependable supply at a cost we can live with.

Our farm is located about eight miles from the Carolina Power and Light Company Brunswick Nuclear Plant. My family and I are completely at ease with this location.

We feel that our future needs of a dependable supply at minimum cost can only be met with nuclear energy,

Alice Wilson

I am Alice Wilson of Edgecombe County and I appreciate this opportunity to share with you my point of view regarding the state's future energy needs as seen through my roles as a consumer and as a member of the board of directors of Edgecombe-Martin County Electric Membership Corporation.

As a consumer, my vantage point is that of a farm wife who has seen farming become heavily dependent upon mechanization and the energy resources required to keep the

tractors, planters, harvesters, and processors in operation.

We have assuredly come a long way from the days when a farmer worked his land with a pair of good mules and plenty of hand labor. A good mule might be hard to come by these days. The big iron washpots are planted with flowers, the flat irons are all used for door stops, and pitching hay and harvesting cotton are also things in the past.

“Without energy in the years ahead, the Tar Heel farmer cannot continue to provide those services as we've come to expect.”

There is no going back to those methods due to the growing demand of our nation and world for food and fiber. I won't belabor this point but do want to emphasize the fact that the essential services of agriculture are fast becoming just as reliant on energy including electric power as the major industrial operations of our state. Without energy in the years ahead, the Tar Heel farmer cannot continue to provide those services as we've come to expect.

As a member of the co-op board my vantage point is that of the board's newest member who is still learning how to handle the duties and responsibilities of a co-op director.

However, I worked with the co-op for approximately 10 years after graduating from high school and for several years prior to my recent election to the board, I was active in the co-op's Women's Committee locally, statewide, and on the national level for the purpose of sponsoring various projects and serving as a link between the EMC and their consumer members.





ce Wilson of Edgecombe County says consumers are not willing to return to styles of a half-century ago.

n this work I've come to have ne understanding of the portance of electrical energy, ecially among the nearly 8,000 mbers of our co-op in all or tions of an eight county area und Tarboro.

Many of these members are ners who face the same energy endence that I know first hand n our farming experiences in ecombe and Martin Counties, many are non-farm families who in the rural areas and work in by towns.

ome of them, who have been ed by the co-op since its first lines e erected more than 40 years ago, vividly recall just what it means to without the convenience of ericity. I can remember the day elights were turned on in our e, and it was a new day.

Chers, who are new to the role of p member-owner, have never n a way of life without electric ver.

Neither of these groups is eared to give up those eniences or the way of life e fostered. Flipping a switch is e of the easiest things we can do e greatest amount of service.

Consumers Willing To Conserve

I believe these people are willing ke reasonable measures to rve energy, to cut back on air ntioning and heating, to ute homes, to use major pnces during off-peak periods means of stretching our irling natural resources and of ng total energy costs.

But, they would have to be dragged, kicking and screaming, into a future which represents a return to the life styles of a half-century ago.

I am also convinced that most of these consumers, if given a choice, would prefer the further development of nuclear power to a severe reduction in their standards of living, and I think it is just as true today as it was before the Three Mile Island incident.

Now, I am not saying that they are opposed to the use of alternate energy resources such as solar. On the contrary, they generally favor development of these resources, but they and all of us are realistic enough to see that these resources cannot replace nuclear or coal for the generation of power for decade after decade, because of the technology that must be developed.

Let's Face Nuclear Risk

I do not hesitate to mention fear and risk of nuclear energy. It is present, and we'll have to deal with it, but then we all remember the great fear of electricity when it was first introduced to us, the fear and risk of flying as well as the risk that every power supplier's linemen take every time they climb a pole, and the risk a farmer takes in using the necessary insecticides on the farm. Convenience and education do a tremendous job of eliminating fears and cutting down on the risks.

To summarize, then: Speaking for one of North Carolina's 28 rural electric cooperatives, I believe our folks are prepared to use their electric power more wisely and more efficiently than ever—and to pay more for it and, at the same time, they fully expect to maintain their present living standards into the next century.

They're depending on the power suppliers, like us, and the regulators, like you, to see that adequate electrical energy—including that generated with nuclear fission—is available to meet their needs in that period.

I hope you'll keep my remarks in mind while exploring, examining, and debating every path available to you as you strive to meet our state's energy demands now and in the years ahead.

James Melton

I am James S. Melton of the community of Hubert in Onslow County. I'm a retired nurseryman, having spent 33 years in that business in Onslow County before retiring in March of last year.

Although I'm now retired, I still wear an assortment of hats from time to time from my civic and community involvement. However, the hat I'd like to wear today might carry the label, "Industry Hunter." I've been wearing it on occasion for the past several years, since the formation of the local economic development group known as Your Onslow Unlimited, Inc. It consists of 125 individuals who've contributed toward an effort to attract new industry to our country.

Since 1970, we've been able to attract 12 industries with a combined capital investment of about \$40 million. Half of these firms have already expanded, bringing the total number of new jobs brought into the county through this program to about 2,500. These companies have brought an additional \$26 million in annual payroll and added \$200,000 a year to the county tax base.

Obviously, all this has made a tremendous impact on the economy of the area. But it has also had a major impact on the power suppliers serving the area. For example, five of the 12 new industries are served by Jones-Onslow EMC. And they now have a combined annual demand of 2.5 million kilowatt hours of

James Melton of Onslow County says adequate energy must be available to meet the state's future economic development needs.



Commentary

(Continued from Page 21)

electricity. Fortunately, there was never a question about whether the co-op—or Carolina Power & Light Co.—would have adequate power to serve these new industries.

In working with this group, I've come to appreciate the need for economic development of this sort, which takes the jobs where the people are. Each year Onslow County has 1,100 high school graduates, 400 community college graduates and 8,400 individuals leaving military service. If enough employment opportunities are available in the community, many of these people would find that they don't have to move to Charlotte or Greensboro or anywhere else to find good jobs.

Speaking of the young people who're coming onto the job market, I was impressed recently to learn that an additional 28 million persons are expected to enter the nation's work force and establish households of their own before the end of the century—and obviously we will have our share of those here in North Carolina. These people are today's youth—and we must provide the means for them to enter productive and effective livelihoods.

I also understand that we in North Carolina need to create roughly 65,000 new jobs every year from now until 1990 just to keep our labor force working because of the number of people who'll be entering our job market.

With this kind of growth, electricity demand across the country is expected to double before the year 2000. . And we must be prepared to meet our share of that growth whether it comes in Onslow County, or Haywood County, or Iredell County or anywhere else across the state.

To do that, I believe we must continue to rely on coal and nuclear energy for the generation of electric power. Oil and gas will still be part of the picture, although only on a very limited basis. And additional experiments must continue on alternative energy sources, but these sources cannot be relied upon in the foreseeable future as significant producers of economical and reliable electricity.

Finally, I feel I must express my concern about the aftermath of the Three Mile Island mishap. The

incident obviously raised issues that have led to an appropriate review of some of the operating procedures and safety measures affecting nuclear power plants. That's fine. But, I'm afraid the nation's leaders could be persuaded that this incident is just cause to call a full and complete retreat from the development of nuclear energy.

3 MI No Catastrophe

The Three Mile Island incident was no catastrophe, despite the scare stories we read and heard through the media at the time. After all, there were no injuries and no fatalities.

As for the effects of the radiation that escaped from the plant, I'd like to point out that witnesses testifying at a recent Congressional hearing in Washington took a radiation reading right in the hearing room that was higher than those recorded after the Three Mile Island mishap.

The scare stories continue, of course.

A recent report from a National Academy of Sciences study of nuclear radiation hazards estimated an incidence of 2,000 fatal cancers nationally between 1975 and the year

2000. That's the risk. But there are risk-free alternatives. If we shift to heavier reliance on coal, what are the risks there? Writer Samuel McCracken noted in a recent article that, "At a very conservative estimate, a 1,000-megawatt coal-fire plant kills 30 people a year; over the 25-year span covered in the NRC study, three such plants would kill many people as the study estimated for the entire nuclear industry present and future."

McCracken added: "Although much may change as a result of Three Mile Island, not much should, and almost nothing in the direction proposed by the anti-nuclear lobby."

He also recalls that in 1838 alone steam explosions killed 500 people in this country—a death rate equivalent to more than 7,000 currently. "Had the nation found such a risk unacceptable and declared a steam moratorium, as is now being suggested for nuclear, it would have prevented the death of some thousands in steam explosions—and assured the deaths of many thousands more through a halt to the industrial revolution."

In my opinion, we have no choice but to continue to use nuclear power. The nation has invested entirely too much to simply walk away from it now. □



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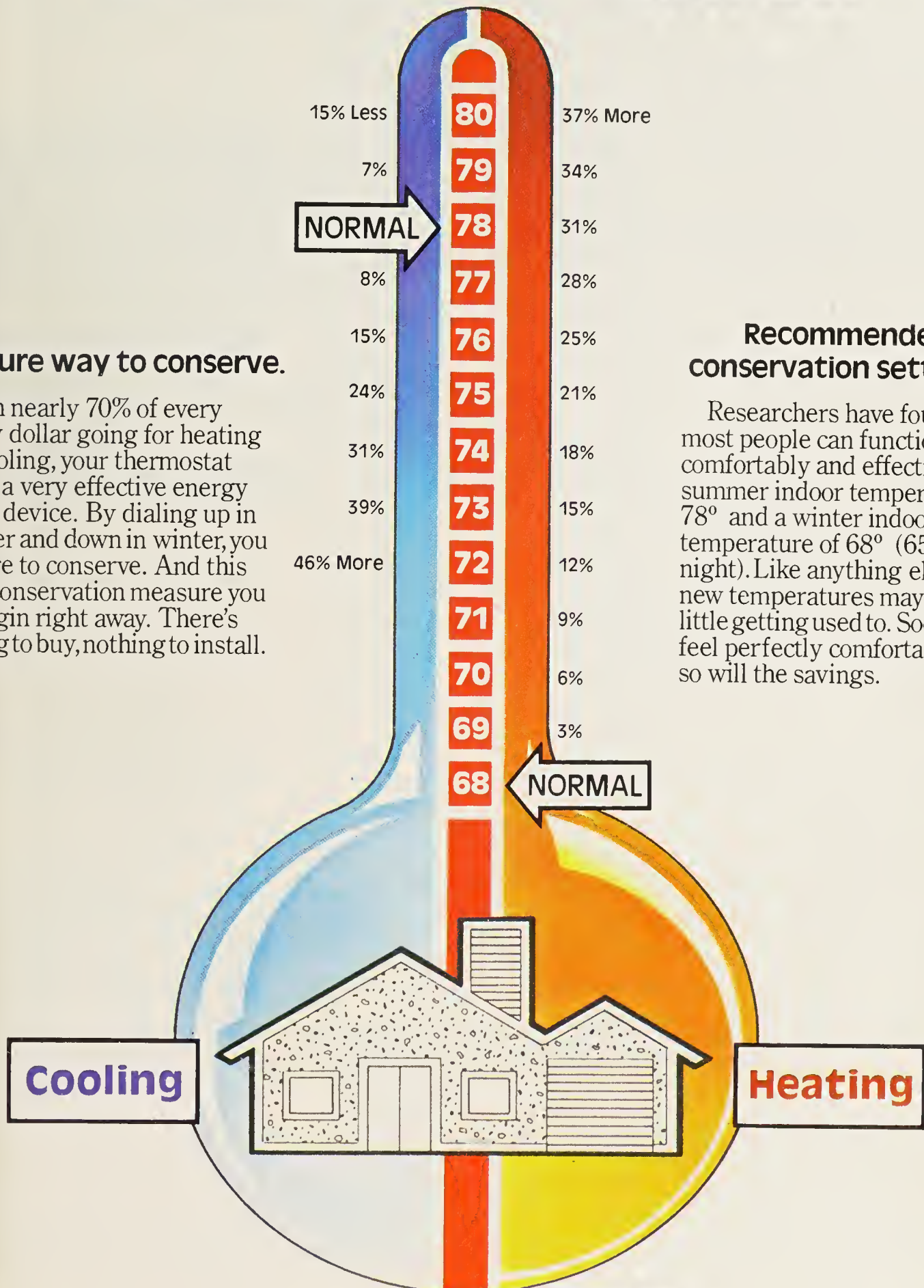
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"Did you get a good look at his face?" asked the husband.

"No dear," said she, "but don't worry. I got his license number."

He was a tough old admiral, and everyone was afraid of him. During a maneuver in the Pacific he was on the bridge watching the ships through a pair of binoculars.

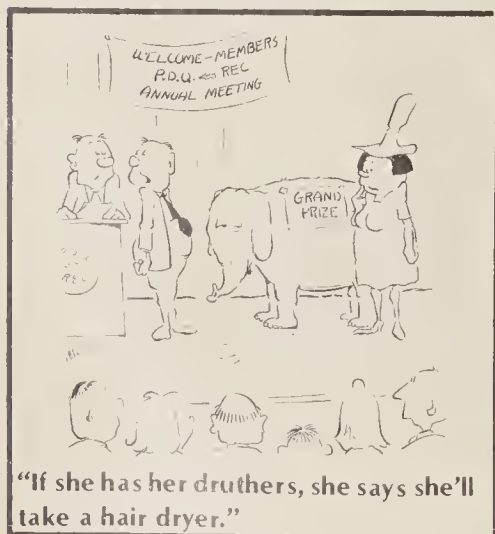
"There were supposed to be three carriers in this maneuver. I count only two. Where is the other one?" No one answered him. "I said where is the third carrier? Why doesn't someone answer me?"

There was silence for a moment, then a helmsman spoke up.

"Admiral, sir, you are standing on it."

A little boy in church, awaking after a nap, asked his father, "Has the preacher finished yet?"

"Yes, son, he has finished, but he hasn't stopped."



"I'd like to have next Wednesday off, sir," an employee said. "Why?" the boss asked. The employee responded: "It's our silver anniversary and my wife and I want to go out and celebrate." The boss declared: "Are you going to have to put up with this every 25 years?"

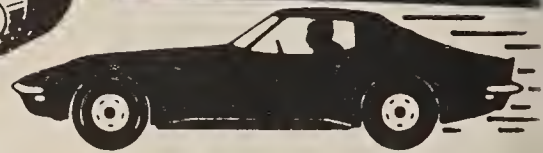
"I thought you said your son was going to become an ear specialist," the businessman said to his friend. "Now I hear you've talked him into becoming a dentist. How come?" "Oh, that's simple. I just pointed out to him that everyone has teeth but only two ears."

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Showplace Farm Features Pick-Your-Own Vegetables

By Frank Jeter, Jr.

Do you enjoy eating snapbeans, butterbeans and cucumbers? How about an ear of fresh corn on the cob? Or field peas? Eggplant? Cantaloupe? Watermelon? Tomatoes?

If this language makes your mouth water, then you'd be lucky if you knew E. B. Averett of the Corinth community in Granville County—because all of those good things grow on his farm in the summertime, and can be obtained at very reasonable cost as long as the merchandise holds out.

Honor System

When the warm summer weather arrives, so do the customers. The Averett farm is operated on the honor system. People arrive, pick out the fruit or vegetables they want, glance at a price list, weigh their produce and pay accordingly.

Are the customers honest?

"They're not only honest," says Averett, "but they often pay me more than the price list says."



UPPER PHOTO - Jan Harvey picks squash on the Averett farm. LOWER PHOTO - E. B. Averett greets those who come to take advantage of his "pick your own" vegetable operation in Granville County.

Photos by Boyce L. Harvey, district conservationist USDA - Soil Conservation Service.

This delicious food is produced on a showplace 600-acre conservation farm, which has been in the family for five generations. In addition to the spectacular growing merchandise, the land is well protected with cover crops. Plantings include sericea lespedeza, shrub lespedeza, orchard grass and clover.

Food for wildlife is provided in the form of millet, bico lespedeza, mandina, cowpeas and soybeans—and the farm abounds with birds and small game.

16-Year Supervisor

Averett comes by his conservation honesty. For 16 years he has served as a supervisor of Granville Soil and Water Conservation District, and currently vice-chairman of volunteer groups of unproductive community leaders.

He works closely with District Conservationist Boyce Harvey of the Soil Conservation Service, and has also worked with previous supervisors—people who have provided technical assistance on the farm.

This "pick your own" farm is such a showplace that scientists at North Carolina State University often hold demonstrations in peach orchards and other plantings. Many varieties of peaches are planted, which means that fruit is available for a longer period of time.

Averett is married to the former Carrie Watson, also of Granville County, and they have two sons: Ernest, a recent graduate of North Carolina University, and Frank, a recent graduate of South Granville High School.

In addition to his duties as vice chairman of the Granville Soil and Water Conservation District, Averett is chief of the Corinth Volunteer Fire Department—the second oldest V.F.D. in the county—and a deacon at Corinth Baptist Church. He is also an active member of the Farm Bureau.

Frank Jeter Jr. is public information officer for USDA—Soil Conservation Service in North Carolina.

It's time to face facts

A coal-fired generating plant started in 1969 could be built in five years. Today, it takes seven just for the paperwork.

Outrageous, you say. We agree.

Time is big money in the electric power business. Every day of delay on a million-kilowatt generating station raises its cost by more than \$300,000. And the consumer ultimately pays every dollar of that increase.

We, as consumer-owned non-profit utilities, find that hard to take. Try as we might, we can't hold rates down when it costs six times as much to build a power plant today as it did a mere five years ago.

Inflation is partly to blame, of course—but the fact is, today's unwieldy regulatory process

accounts for almost one-third of the increased construction costs.

It seems to us that well-meant efforts to legislate and form sensible rules to guide energy development and use have gone awry. More and more, planners of power generating facilities are burdened with overlapping, cumbersome, and often inane rules and regulations that consume weeks and months of expensive time.

Ten years ago only two or three government permits were needed to build a coal-fired power plant. That figure's now 60 or more—and still going up.

Each permit takes time—lots of it—especially when the

regulatory process is deliberately used as a weapon in efforts to block projects.

And time, as we said, represents money—lots of it.

We're not saying, "Down with regulation!"—far from it. A nation such as ours, as utterly dependent on energy as ours, *must* regulate its utility industries . . . sensibly. But let's be aware that regulation, like everything else, bears a price tag.

Let's not keep raising the price.

Reasonable and orderly regulation is in the public interest. Over-regulation is not.

**A message from the nation's consumer-owned,
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America's rural electric systems

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"CO-OP" QUIZ

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2. **HOW** many people will have to go to the hospital this year, according to the American Hospital Association?
3. **WHO** was the **first** to bring high quality/low cost **group** hospitalization protection to rural electric members?
4. **WHEN** did the **Co-op Insurance Fund** first create the widely accepted, highly recommended **Extra Hospital Money Plan**?
5. **WHO** are the people whose pictures and comments appear below?

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"When I took out the policy it certainly never occurred to me that I would be so ill for so long—204 days in the hospital! Thanks to Co-op my enormous \$10,200 hospital bill is paid in full!"



"I feel real lucky to have this policy—with God's help and Co-op Insurance I realize I've made it."

183 per day! If you had to go to the hospital, could you afford it? 2. 34,171,063! It could happen tomorrow to you or so love. 3. CO-OP INSURANCE FUND! 4. 1969. "Co-op" is the only hospital plan offered and recommended by rural electric cooperatives to their members continuously for the past ten years! 5. Just a few of our satisfied members: Leon Wagman — ana, Lorain McKenney — Colorado, Thelma Odom — Georgia.

*ANSWERS

TO FIND OUT HOW TO

CO-OP YOUR HOSPITAL BILL

COUPON FOR **FREE** INFORMATION...INCLUDING LISTS OF ALL NEW STROPHE SHOCK ABSORBER

Insurance Company, "Guarantee Trust Life Insurance Company" independent and not affiliated with Rural Electric Cooperatives in this state. It is licensed in this state.

No Agent Will Contact You! **AUGUST OPEN ENROLLMENT** No Obligation

TO GET THE WHOLE STORY **FREE** — Fill in information and mail to:

Co-OP Insurance Fund
Sixth Floor, 1447 Peachtree St., N.E., Atlanta, GA 30309

Please Print Name _____

Street Address (or RFD) _____

City/Town _____ State _____ Zip _____

List ages of those you want information for ☐ Male ☐ Female ☐ Children

NC-8 Age _____ Age _____ Ages _____

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